

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/009569

A. CLASSIFICATION OF SUBJECT MATTER
 Int.Cl⁷ H04L12/56, G10L19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H04L12/56, G10L19/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

JSTPlus (JOIS), IEEE Xplore

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2002-164921 A (Oki Electric Industry Co., Ltd.), 07 June, 2002 (07.06.02), Full text; Figs. 1 to 9 & US 2002/0064158 A1	1, 7, 13, 14
Y		2, 5, 8, 11
A		3, 4, 6, 9, 10, 12
Y	JP 1-93795 A (Nippon Hoso Kyokai), 12 April, 1989 (12.04.89), Full text; Figs. 1 to 5 (Family: none)	2, 5, 8, 11
A		1, 3, 4, 6, 7, 9, 10, 12-14

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search
08 August, 2005 (08.08.05)Date of mailing of the international search report
23 August, 2005 (23.08.05)Name and mailing address of the ISA/
Japanese Patent Office

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